

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001423**Date Inspected:** 04-Jun-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1200**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2359**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** OBG 5CE, OBG 3AW/3BW, Suspender Brackets**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

OBG 3AW/3BW

External damaged and repair areas were abrasive blasted to base metal conforming to SSPC SP-10 condition and Interzinc 22 applied, also the pedestal support areas were incorporated into this work and coated with Interzinc 22.

Suspender Brackets

ZPMC requested inspection and verification of Interzinc 22 coated brackets with the following numbers: SB 20E, SB 22E, SB 24E, SB 28E, SB 24W, SB 28W. Application of "mist" coat Interzinc 979 was not performed due to holidays and ZPMC not performing required testing prior to over coating Interzinc 22.

OBG 5CE

Internal base metal surfaces of floor area and "T" stiffeners and lower section of longitudinal diaphragms were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 applied. Profile amplitude was 64-77um.

Counterweights

Base metal surfaces of the following counterweights numbering: CW 30, CW 32, CW 44 were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 applied. Profile amplitude was 74-82um.

Miscellaneous Metal

Base metal surfaces of 400+- splice plates and angle iron were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 applied. Approximately on half of these listed were incomplete at the time of inspection.

Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA

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Lumley. International Protective Coatings technical service representatives Mr. Peng ZiLI and Mr. Alpha Chen were available for ZPMC to consult.

Summary of Conversations:

No relevant conversations on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang. (858)-699-9549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley,James	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
